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INDEX TO AMERICAN BOTANICAL LITERATURE

(1901-1903)

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in its broadest sense.

Reviews, and papers which relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omission their kindness will be appreciated.

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Alwood, W. B. Orchard Studies — VIII. On the occurrence and treatment of fire blight in the pear orchard. Va. Agric. Exp. Sta. Bull. **11**: 49-66. *f.* 16-20. Ap 1902.

Alwood, W. B. Orchard Studies — XIII. Some observations on crown gall of apple trees. Va. Agric. Exp. Sta. Bull. **11**: 185-212. *f.* 27-37. S 1902.

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Arechavaleta, J. Flora Uruguay. **2**: i-xlvi. 1-160. Montevideo, 1903.
Anal. Mus. Nac. Montevideo, vol. 5.

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- Brotherus, V. F.** *Andraceae*, in Engler & Prantl, Nat. Pflanzenfam. 1³: 265-268. *f.* 162-165. 1901.
- Brotherus, V. F.** *Bryales*, in Engler & Prantl, Nat. Pflanzenfam. 1³: 277-384. *f.* 171-241. 1901; 385-480. *f.* 242-337. 1902; 481-576. *f.* 332-433. 1903.
- Buckhout, W. A.** The effect of smoke and gas upon vegetation. Ann. Rep. Pa. State Coll. 1900-01: 297-324. *pl.* 1-4. 1901.
- Burrill, T. J. & Blair, J. C.** Prevention of bitter rot. Ill. Agric. Exp. Sta. Circ. 56: 1-3. J1 1902.
- Campbell, R.** Canadian fungi. Can. Rec. Sci. 9: 89-99. 31 D 1903.
- Chodat, R. & Hassler, E.** Plantae Hasslerianae, soit énumération des plantes récoltées au Paraguay. Bull. Herb. Boissier, II. 4: 61-92. 31 D 1903.
Includes new species in *Melochia*, *Buettnera*, *Solanum* (4) *Cestrum* and *Manettia*, and new varieties and forms in various genera.
- Col, A.** Recherches sur l'appareil sécréteur interne des Composées. Jour. de Bot. 17: 252-288. *f.* 1-22. S 1903; 289-318. *f.* 23-28. N 1903.
- Davis, J. J.** Third supplementary list of parasitic fungi of Wisconsin. Trans. Wisc. Acad. 14: 83-106. S 1903.
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- Davis, W. T.** Additions to our local fauna and flora. Proc. Nat. Sci. Assoc. Staten Island, 8: 5. 9 F 1901.
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- Davis, W. T.** Two additions to the list of Staten Island plants. Proc. Nat. Sci. Assoc. Staten Island, 8: 30, 31. 8 F 1902.
- Duss, A.** Division, nomenclature & habitat des Fougères & Lycopodes des Antilles françaises. 1-113. Lons-le-Saunier, 1903.
No lycopods are mentioned.
- Duss, A.** Énumération méthodique des Muscinées des Antilles françaises. I. — Hépatiques. 1-41. Lons-le-Saunier, 1903.
Various new species are enumerated, but not described.
- Duss, A.** Énumération méthodique des Muscinées des Antilles françaises. II. — Mousses. 1-39. Lons-le-Saunier, 1903.
Various new species are enumerated, but not described.
- Elliott, D. G.** A list of mammals collected by Edmund Heller, in the San Pedro Martir and Hanson Laguna mountains and the accom-

panying coast region of Lower California. Field Columb. Mus. [Pub. 79] Zool. **3**: 199-232. *pl.* 33-38. Je 1903.

The collector's field notes, on pages 199-206, and the plates, give a description of the vegetation of these mountains.

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Fernald, M. L. Two northeastern allies of *Salix lucida*. Rhodora, **6**: 1-8. 29 D 1903.

Descriptions of *S. lucida intonsa* var. nov. and *S. serissima* sp. nov.

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- Hemsley, W. B.** *Aniba megacarpa* Hemsl. Hook. Ic. Pl. IV. 8: *pl.* 2751, 2752. N 1903.
New species; native of Trinidad.
- Hemsley, W. B.** *Eryngium crasssquamosum* Hemsl. Hook. Ic. Pl. IV. 8: *pl.* 2765. N 1903.
New species from Mexico; two other new related Mexican species, *E. Palmeri* and *E. globosum*, are described in the accompanying text.
- Hemsley, W. B.** *Eryngium medium* Hemsl. Hook. Ic. Pl. IV. 8: *pl.* 2767. N 1903.
New species; native of Mexico.
- Hemsley, W. B.** *Eryngium pectinatum* Presl. Hook. Ic. Pl. IV. 8: *pl.* 2766. N 1903.
Native of Mexico; two new related Mexican species, *E. guatemalense* and *E. stenolobum*, are described in the accompanying text.
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- Hess, A. W.** A few of the common fleshy fungi of Ames. Iowa Agric. Exp. Sta. Bull. 61: 148-153. *f.* 7-11. J1 1902.
- Hill, A. J.** Resurrection plant: *Lewisia rediviva* Pursh. Can. Rec. Sci. 9: 111, 112. 31 D 1903.
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- Hollick, A.** Plantae. Maryland Geol. Surv. Eocene, 258, 259. *pl.* 64. *f.* 11-12b. 1901.
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- Holm, T.** Biological notes on Canadian species of *Viola*. Ottawa Nat. 17: 149-160. *pl.* 4, 5. 5 D 1903.
- Holmberg, E. L.** *Amaryllidaceae* platenses nonnullae. Anal. Mus. Nac. Buenos Aires, III. 2: 77-80. 3 J1 1903.
Includes descriptions of new species in *Zephyranthes* and *Hippeastrum*.
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- Jones, L. R. & Edson, A. W.** Report of the botanists [for 1900-01]. Ann. Rep. Vt. Agric. Exp. Sta. 14: 227-256. 1901. [Illust.]
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With descriptions of the plants of the ranges, pages 27-51, *pl.* 18-31.
- Knowlton, F. H.** Fossil flora of the John Day Basin, Oregon. U. S. Geol. Surv. Bull. 204: 1-153. *pl.* 1-17. 1902.
Includes descriptions of 44 new species in 22 genera.
- Knowlton, F. H.** Report on fossil wood from the Newark formation of South Britain, Connecticut. Ann. Rep. U. S. Geol. Surv. 21³: 161, 162. 1901.
- Lewton-Brain, L.** Fungoid diseases of cotton. West Indian Bull. 4: 255-267. *f.* 1-3. 1903.
- McKenney, R. E. B.** The wilt disease of tobacco and its control. U. S. Dept. Agric. Plant. Ind. Bull. 51¹: 1-6. *f.* 1. 18 S 1903.
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- Merrill, E. D.** Report on investigations made in Java in the year 1902. Forestry Bur. (Philipp.) Bull. 1: 1-84. *pl.* 1-10. 15 O 1903.
Pages 9-55 are occupied by "Plantae Ahernianae," a list of plants collected in the Philippines under the direction of Capt. Ahern during 1901 and 1902. There are new species in *Evodia*, *Semecarpus*, *Palaquium*, *Vitex* and *Timonius*.
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- eradication. Wisc. Agric. Exp. Sta. Bull. 91: 1-15. *f.* 1, 2. F 1902.
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- Nelson, A. & E. E.** The wheat-grasses of Wyoming. Wyo. Agric. Exp. Sta. Bull. 59: 1-34. *pl.* 1-5. N 1903.
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- Noack, F.** Die Krankheiten des Kaffeebaumes in Brasilien. Zeits. Pflanzenkr. 11: 196-203. *pl.* 4. 30 N 1901.
- Pammel, L. H.** The Canada thistle and dandelion. Iowa Agric. Exp. Sta. Bull. 61: 143-148. *f.* 2-6. Jl 1902.
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- Wheeler, H. J. & Adams, J. E.** A further study of the influence of lime upon plant growth. R. I. Agric. Exp. Sta. Bull. 96: 21-44. *f.* 1-4. Au 1903.
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